

POPOV, I. V.

"On the problems in the fields of physical and mechanical studies of tectonically deformed rock," Izvestiya Akademii Nauk, Seriya Geofizicheskaya, No. 7, Jul 1957, pp 952-965

paper presented at the First All-Union Conference on Tectonophysics, Moscow, 29 January through 5 February 1957

Lab. of Hydrogeological Problems, Acad. Sci. USSR.

5/11/1963

POPOV, I.V., doktor geol.-mineral.nauk

Role and uses of mechanics in geology. Trudy Lab. gidrogeol.probl.
14:5-14 '57. (MIRA 11:5)
(Mechanics) (Geology)

POPOV, I.V.

Theoretical bases of classification of rocks from the viewpoint of
engineering geology. Trudy Lab. gidrogeol.probl. 14:197-215 '57.
(Rocks--Classification and nomenclature) (MIRA 11:5)

• *Popov, I. V.*

24-58-3-35/38

AUTHOR: Solomonov, M.

TITLE: Problems of the Construction and Exploitation of Mining Enterprises. Scientific-Technical Conference at the Institute of Mining, Academy of Sciences USSR (Voprosy stroitel'stva i ekspluatatsii gornykh predpriyatiy. Nauchno-tekhnicheskoye soveshchaniye v Institute gornogo dela Akademii Nauk SSSR)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 3, p 173 (USSR)

ABSTRACT: On November 20-21, 1957, a conference took place on the problems of the construction and exploitation dealing with the mineral deposits under complicated hydrological and geological engineering conditions. The conference was organized by the Institute of Mining together with the Central Administration of the Scientific-Technical Society; 320 delegates, nearly all representatives of the appropriate large enterprises, were present. The conference was opened by Academician L. D. Shevyakov. At the plenary meeting of the conference the following papers were presented: A. T. Bobryshev on "Hydrological conditions of the Yakovlev deposits of the Belgorod iron ore district of the Kursk Magnetic Anomaly (KMA) and the corresponding scheme of the lowering of the water level and

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24-58-3-35/38

Problems of the Construction and Exploitation of Mining Enterprises.
Scientific-Technical Conference at the Institute of Mining, Academy
of Sciences USSR.

draining undertakings"; M. I. Agoshkov on "Methods of opening workings and the systems of exploitation of the rich iron ores of the Belgorod district of the Kursk Magnetic Anomaly"; G. N. Man'kovskiy on "The tasks of scientific research in the field of construction and exploitation of mining enterprises of soaked deposits"; I. V. Popov on "The task of engineering geology in connection with the appraisal of conditions of opening and exploitation workings of deposits"; S. A. Kri-vorog on "Methods of draining of heavily water-soaked coal deposits and ways of their perfection"; H. F. Unkovskaya and M. N. Gusarov on "Mining works under conditions of water - soaked karst"; D. I. Maliovanov on "New equipment in shaft construction by special methods". Several papers were submitted in the conference sections: "On the introduction into practice of blasting timber technique in the Moscow Basin"; "On the experience of sinking main (entry) shafts under the complicated hydrological conditions of the Tula coal deposits"; "Exploitation of main shafts in the frozen quaternary coal deposits of Vorkuta"; "On the influence of soaking upon the development procedure of the polymetallic ores of Zyranskoye deposit";

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24-56-3-35/38

Problems of the Construction and Exploitation of Mining Enterprises.
Scientific-Technical Conference at the Institute of Mining, Academy
of Sciences USSR.

"On the opencast workings of the Kursk Magnetic Anomaly
Labédinskoye deposit under complicated geological conditions";
"On drainage methods of opencast workings tracts of Maryevskoye
and Aleksandrovskoye deposits in the Nikopol' manganese basin";
"Experience in the planning of drainage works in the opencast
workings of waterlogged coal deposits" (example set by Ukgi-
proshakht); "On the experience of construction and opencast
workings of Bashkirya"; "Prediction methods of engineering -
geological conditions in opening and development procedure
in mineral bearing tracts"; (based on the experience of KMA);
"On vertical drainage under the conditions of shaft waters
being dropped down to the karst-layers level" (exemplified
by the Cheremkha coal-bearing tract); "On the draining oper-
ation of Iletskoye and Salavinskoye deposits of rock salt"; and
others. The conference emphasized the necessity of the im-
provement of the existing organizations of hydrological and
engineering-geological works, the furthering of rock pressure
laws learning, the perfecting of development operations, full-

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24-58-3-35/38

Problems of the Construction and Exploitation of Mining Enterprises.
Scientific-Technical Conference at the Institute of Mining, Academy
of Sciences USSR.

size diameter shaft drilling, rock freezing, stopping of
cracked rocks and lowering of the water level. Taking the
complicated innate conditions of iron ore deposits of the
Kursk Magnetic Anomaly into consideration, the conference
stressed the purposefulness of the scientific-exploratory
works of the Lebedinskiy open pit workings - now in reconstruc-
tion - to be carried through - to fix up stable angles of
slopes (dip).

Card 4/4

1. Mining--Conference--USSR

POPOV, I.V.

Morphological study of rivers as a basis for solving problems
associated with the utilization of bottom lands for
agricultural purposes. Trudy GGI no.74:22-54 '60.

(MIRA 13:7)

(Polomet' River--Alluvial plain)

POPOV, Ivan Vasilyevich; GIKHIN, Y. L.; res.

(Engineering geology of the U.S.S.R.) *Izvestiya* *geologiya* *SSSR*. Moskva, Izd-vo Mosk. univ., 1975. 41 p.
(SPR 1975)

KRYLKOV, Yuriy Vasil'yevich; POPOV, I.V., doktor geol.-miner.
nauk, otv. red.

[Significance of the isolation of periglacial and loess
formations from the viewpoint of engineering geology]
Inzhenerno-geologicheskoe znachenie vydeleniia peri-
gliatsial'noi i lessovoi formatsii. Moskva, Nauka, 1965.
162 p. (MIRA 18:12)

POPOV, I. V., kand. geofraf. nauk

Hydrologic and morphologic fundamentals of the theory of river bed evolution and their use in planning for purposes of hydraulic engineering. Meteor.i gidrol. no. 4:16-24 Ap '64. (MIRA 17:5)

1. Gosudarstvennyy gidrologicheskiy institut.

POPOV, I.V., doktor geol.-min. nauk, otv. red.; FILIPPOVA, B.S.,
red.izd-va; SHEVCHENKO, G.N., tekhn. red.

[Formation of the properties of clay rocks in the
lithogenetic process from the view point of engineering
geology] Formirovanie inzhenerno-geologicheskikh svoistv
glinistyykh porod v protsesse litogeneza. Moskva, Izd-vo
AN SSSR, 1963. 222 p. (MIRA 16:12)

1. Akademiya nauk SSSR. Laboratoriya gidrologicheskikh
problem.

(Clay) (Engineering geology)

POPOV, I.V., doktor geol.-miner. nauk, prof., otv. red.; STOLYAROV,
A.G., red.izd-va; SHOKHET, B.S., red. izd-va; ZUDINA, V.I.,
tekhn. red.

[Settling deformations of loess in the central Ciscaucasia]
Prosadochnye deformatsii lessovykh porod TSentral'nogo Pred-
kavkaz'ia. Moskva, Izd-vo AN SSSR, 1963. 133 p.

(MIRA 16:10)

1. Akademiya nauk SSSR. Laboratoriya gidrogeologicheskikh
problem.

(Caucasus, Northern--Loess)

POPOV, I.V.

Reformations of the bed of the Volga River from Volgograd
to Astrakhan. Trudy GGI no.108:4-67 '63. (MIRA 16:6)

(Volga River)

SKVORTSOV, Grigoriy Grigor'yevich, starshiy nauchnyy sotr.;
ROMANOVSKAYA, Lidiya Ivanovna, mladshiy nauchnyy sotr.;
POPOV, I.V., retsenzent; DUBROVKIN, V.L., retsenzent;
PROKHOROV, S.P., retsenzent; KONOPLYANTSEV, A.A.,
retsenzent; GRISHINA, T.B., red. izd-va; BYKOVA, V.V.,
tekhn. red.

[Geological engineering observations in constructing and
exploiting open-pit mines; methodological instructions]
Inzhenerno-geologicheskie nabliudeniia pri stroitel'stve i
ekspluatatsii kar'erov; metodicheskie ukazaniia. Moskva,
Gosgeoltekhizdat, 1962. 58 p. (MIRA 15:10)
(Engineering geology) (Strip mining)

VIRGIL'YEV, Yu.S.; GRUZIN, P.L.; POPOV, I.V.

Studying the behavior of small additions of calcium in the manufacture of nickel-chromium alloys by the method of radioactive isotopes. Met. i metalloved. chist. met. no.3:216-223 '61.
(MIRA 15:6)

(Nickel-chromium alloys--Metallurgy)
(Radioisotopes--Industrial applications)

ORNATSKIY, Nikolay Vasil'yevich, prof., doktor tekhn. nauk; POPOV, I.V.,
prof., doktor geologo-miner. nauk, retsenzent; GUMENSKIY, V.M.,
prof., doktor geol.-miner. nauk, retsenzent; MAKSIMOV, S.N.,
red.; GEORGIYEVA, G.I., tekhn. red.

[Soil mechanics] Mekhanika gruntov. Moskva, Izd-vo Mosk. univ.,
1962. 446 p. (MIRA 15:9)

(Soil mechanics)

POPOV, I.V.

Basic trends in the study of karst in the U.S.S.R. Trudy Lab.
gidrogeol. probl. 47:3-7 '62. (MIRA 15:6)
(Karst)

POPOV, I.V.

Regularities in the origin and development of landslide processes.
Trudy Lab.gidrogeol.probl. 35:3-8 '61. (MIRA 15:1)
(Landslides)

ROGOZIN, Igor' Stepanovich; DUNAYEVA, Galina Vladimirovna; POPOV,
I.V., prof., doktor geol.-min. nauk, otv. red.; FILIPPOVA,
B.S., red. izd-va; ASTAF'YEVA, G.A., tekhn. red.

[Landslides of the Saratov region of the Volga Valley]
Opolzni Saratovskogo Povolzh'ia. Moskva, Izd-vo Akad. nauk
SSSR, 1962. 161 p. (MIRA 15:7)
(Volga Valley--Landslides)

KOTLOV, Fedor Vasil'yevich; POPOV, I.V., prof., doktor geologo-miner. nauk, otv. red.; STOLYAROV, A.G., red. izd-va; UL'YANOVA, O.G., tekhn. red.

[Changes in the natural conditilns of the Moscow area under the influence of man's activity from the point of view of engineering geology] Izmeneniia prirodnnykh uslovii territorii Moskvyy pod vliianiem deiatel'nosti cheloveka i ikh inzhenerno-geologicheskoe znachenie. Moskva, Izd-vo Akad. nauk SSSR, 1962. 263 p. (MIRA 15:6)

(Moscow--Engineering geology)

IL'IN, A.N.; KAPUSTIN, A.P.; KOGAN, I.A.; POPOV, I.V.; PROZOROVA, N.A.;
SAVARENSKIY, I.A.; CHIKHACHEV, S.M.; SOKOLOV, N.I. [deceased],
doktor geol.-mineral.nauk, otv.red.; SPRYGINA, L.I., red.izd-va;
SUSHKOVA, L.A., tekhn.red.

[Karst phenomena near Dzerzhinsk, Gorkiy Province] Karstovye
iavleniia v raione goroda Dzerzhinska Gor'kovskoi oblasti.
Moskva, Izd-vo Akad.nauk SSSR, 1960. 121 p (Akademiia nauk
SSSR. Laboratoriia gidrogeologicheskikh problem. Trudy, vol. 32)
(Dzerzhinsk region (Gorkiy Province) -- Karst)

S/137/62/000/006/066/163
A052/A101

AUTHORS: Virgil'yev, Yu. S., Gruzin, P. L., Popov, I. V.

TITLE: An investigation by means of radioactive isotopes of the behavior of small calcium additions in the process of smelting nickel-chromium alloys

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 29, abstract 6G219 (In collection: "Metallurgiya i metalloved. chist. metallov". Moscow, Gosatomizdat, no. 3, 1961, 216 - 224)

TEXT: When investigating by means of radioactive isotopes (Ca^{45}) under laboratory conditions the behavior of small Ca additions in the process of smelting Cr-Ni-alloys of XH80T (KhN80T) type it has been established that Ca spreads as a rule over the ingot irregularly. Keeping alloy in a molten state contributes to a more regular distribution of Ca. The latter can be present both in non-metallic inclusions and in a solid solution, whereby the Ca content in the solution decreases sharply with the increase of the time the metal is kept in a molten state. For example, in an alloy kept after reduction during 20 minutes the amount of non-metallic inclusions has decreased approximately 6 times and

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BAKHTIN, Nikolay Prokop'yevich; POPOV, I.V., otv. red.; DERYUGINA, V.N.,
red.; RUSAKOVA, G.Ya., red.; VOLKOV, N.V., tekhn. red.

[The Yenisey River] Reka Enisei. Leningrad, Gidrometeor. izd-
vo, 1961. 122 p. (MIRA 15:5)
(Yenisey River)

KOTLOV, F.V., kand. geol.-min. nauk, otv. red.; BEZRUK, V.M., doktor geol.-miner. nauk, red.; BELYI, L.D., doktor geol.-miner. nauk, red.; BYKOVA, V.S., kand. geol.-miner. nauk, red.; GOR'KOVA, I.M., doktor geol.-miner. nauk, red.; GUREYEV, A.M., red.; YEMEL'YANOVA, Ye.P., kand. geol.-miner. nauk, red.; KOLOMENSKIY, N.V., doktor geol.-miner. nauk, prof., red.; MAKEYEV, Z.A., doktor geol.-miner. nauk, red.; POL'SHIN, D.Ye., kand. tekhn. nauk, red.; POPOV, I.V., doktor geol.-miner.-nauk, prof., red.; PRIKLONSKIY, V.A., prof., red. [deceased]; RUBINSHTEYN, A.L., doktor geol.-miner. nauk, prof., red.; SERGEYEV, Ye.M., doktor geol.-miner. nauk, prof., red.; FADEYEV, P.I., kand. geol.-miner. nauk, red.; ZOLOTOV, P.F., red. izd-va; ASTAF'YEVA, G.A., tekhn. red.

[Materials on the engineering and geological properties of rocks and methods for their study] **Inzhenerno-geologicheskie svoistva gornykh porod i metody ikh izucheniia**; materialy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 362 p. (MIRA 15:5)

1. Soveshchaniye po inzhenerno-geologicheskim svoistvam gornykh porod i metodam ikh izucheniya, Moscow, 1957. 2. Chlen-korrespondent Akademii nauk SSSR (for Priklonskiy). 3. Moskovskiy gosudarstvennyy universitet (for Sergeyev). 4. Laboratoriya gidrogeologicheskikh problem Akademii nauk SSSR (for Kotlov). 5. Kafedra "Osnovaniya i fundamenty" Moskovskogo instituta inzhenerov vodnogo khozyaystva (Rubinshteyn).

(Rocks)

(Engineering geology)

POPOV, I.V. (Orel)

Connection between the research of the department of physics and
school requirements. Fiz.v shkole 21 no.3:85 My-Je '61.

(MIRA 14:8)

(Orel--Physics--Study and teaching)

POPOV, I.V.

Principles of mapping and regionalization in making general
maps for purposes of engineering geology. Izv.vys.ucheb.zav.;
geol. i razv. 4 no.8:91-99 Ag '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Engineering geology--Maps)

GVOZDETSKIY, N.A., doktor geogr. nauk, otv. red.; SOKOLOV, N.I.,
doktor geol.-min.nauk, otv. red. [deceased]; POPOV, I.V.,
doktor geol.-min. nauk, prof., red.; BOGOMOLOV, G.V.,
akademik, red.; RODINOV, N.V., kand. geol.-min. nauk, red.;
SOKOLOV, D.S., doktor geol.-min. nauk, red.; PERVAKOV, I.L.,
red.izd-va;

[Survey of the state of karst studies in the U.S.S.R. and
abroad] Obshchie voprosy karstovedeniia; materialy. Mo-
skva, Izd-vo Akad. nauk SSSR, 1962. 246 p. (MIRA 15:3)

1. Nauchnoye soveshchaniye po izucheniyu karsta. 3d, Moscow,
1956. 2. Akademiya nauk Belorusskoy SSR (for Bogomolov).
3. Moskovskiy Gosudarstvennyy universitet (for Gvozdetkiy).
(Karst--Congresses)

POPOV, I.V.; KOZIK, A.K., red.; SAVEL'YEV, V.I., red.; LARIONOV, G.Ye.,
tekhn. red.

[Power resources of the people's democracies] Energetika stran narod-
noi demokratii. Moskva, Gos. energ. izd-vo, 1961. 318 p.
(MIRA 14:11)

(Communist countries--Power resources)

FOPOV, Igor', (Vladimirovich) SEORODUMOV, D Ye., etv. red.;
KOZINTSEV, E. M., red.

[Riverbed deformations and hydraulic engineering; the
hydrologic and morphologic theory of the evolution of
the riverbed and its use] Deformatsii rechnykh rusel i
gidrotekhnicheskoe stroitel'stvo; gidrologo-morfologi-
cheskaya teoriya ruslovogo protsessa i ee primeneniye.
Leningrad: Gidrometeoizdat, 1965. 327 p. (MIRA 18:8)

POPOV, Igor' Valdimirovich

Aerofotos'yemka i izucheniye vod sushi. Leningrad, Gimiz, 1960.

166 p. illus. diagrs., maps, tables.

Bibliographival footnotes.

POPOV, Ivan, arkh.

Method of determining the light permeability in window
constructions. Godishnik Inzh stroit inst 16 no.2:5-49 '64.

POPOV, Ivan, Inzh.

Let us take care and use of the herd, for a while,
and mushrooms. Address Bulg 13 no.3. 1412. 1404.

POPOV, Ivan, inzh.

Pneumatic measuring instruments, modern means of measurements
in machine construction. Ratsionalizatsia 13 no.11:28-33 '63

POPOV, Ivan, inzh.

Measuring the hardness of metals. Ratsionalizatsiia 14
no.8:35-39 '64.

1. Institute of Standardization, Measures, and Measuring
Instruments.

POPOV, Ivan, inzh.

Let us raise the level of measurement technique. Ratsionalizatsiia
13 no.7:34-36 '63.

POPOV, Ivan Vasil'yevich; CHAPOVSKIY, Ye.G., red.; YERMAKOV, M.S., tekhn.
red.

[Engineering geology of the U.S.S.R.] Inzhenernaia geologiya SSSR.
Moskva, Izd-vo Mosk. univ. Pt.1. [Fundamentals of areal engineering
geology] Obshchie osnovy regional'noi inzhenernoi geologii. 1961.
177 p. (MIRA 14:11)

(Engineering geology)

TREKHOV, M.I.; GORIN, F.I., inzh.; AKULOV, Ye.F., red.; KIREYEV, M.I., red.; NOVIKOV, V.K., red.; SVEL'YEV, V.I., red.; CHUMAKOV, N.M., red.; POPOV, I.V., red.; BORUNOV, N.I., tekhn. red.

[Efficient use of electric power in metal cutting and press working in machine manufacturing plants] Ratsional'noe ispol'zovanie elektroenergii pri obrabotke metallov rezaniem i davleniem na mashinostroitel'nykh zavodakh. Moskva, Gos. energ. izd-vo, 1961.
103 p. (MIRA 14:10)

(Electric metal cutting) (Power presses—Electric driving)

YUSUPOVA, S.; ANTIPOV-KARATAYEV, I.N., prof., akademik, otv. red.; POPOV,
I.V., prof., red.

[Mineralogical characteristics of loess in the Vakhsh Valley] Mi-
neralogicheskie osobennosti lessov Vakhshskoi doliny. Stalinabad,
Tadzhikskii gosuniversitet im. V.I.Lenina, 1958. 200 p.
(MIRA 14:11)

1. AN Tadzhikskoy SSR (for Antipov-Karatayev).
(Vakhsh Valley—Loess)

POPCV, I.V.; BORISOVA, Ye .G.

Relationship between water and clay rocks at the initial stage of
the washout. Vest.Mosk.un.Ser.4: Geol. 15 no.1:51-59 '60.
(MIRA 14:4)

1. Kafedra gruntovedeniya i inzhenernoy geologii Moskovskogo
universiteta.

(Clay)

(Water)

ROGOZIN, Igor' Stepanovich; POPOV, I.V., doktor geol-miner. nauk,
otv. red.; FILIPPOVA, B.S., red. izd-va; SHVCHENKO, G.N.,
tekhn. red.

[Controlling landslides at Ul'yanovsk] Opolzni Ul'ianovska i
opyt bor'by s nimi. Moskva, Izd-vo Akad. nauk SSSR, 1961.
145 p. plates. (MIRA 14:5)
(Ul'yanovsk--Landslides)

ZOLOTAREV, G.S., red.; SOKOLOV, D.S., red.; CHAPOVSKIY, Ye.G., red.;
BINDEMAN, N.N., red.; LYKOSHIN, A.G., red.; TITOV, N.A., red.;
GARMONOV, I.V., retsenzent; PRIKLONSKIY, V.A., retsenzent;
POPOV, I.V., retsenzent; RODIONOV, N.V., retsenzent; KHAKIMOV,
V.Z., red.; YERMAKOV, M.S., tekhn.red.

[Methods and results in the study of hydrogeological and
engineering geological conditions of large reservoirs] Opyt
i metodika izucheniia gidrogeologicheskikh i inzhenerno-geolo-
gicheskikh uslovii krupnykh vodokhranilishch. Pod red. G.S.
Zolotareva, D.S. Sokolova i E.G. Chapovskogo. Moskva, Izd-vo Mosk.
univ. Pt.1. 1959. 175 p. diagrs, maps.

(MIRA 14:4)

(Volga Valley--Reservoirs)

(Engineering geology)

POPOV, I.V.; TANKAYEVA, L.K.

Studying the nature of structural relations in loess as revealed
by the loess in the lower Vakhsh Valley. Vest. Mosk. un. Ser. 4:
Geol. 16 no.1:22-29 Ja-F '61. (MIRA 14:3)

1. Kafedra gruntovedeniya i inzhenernoy geologii Moskovskogo
universiteta.

(Vakhsh Valley--Loess)

POPOV, I.V.

Some objectives of the study of deposits in the Kursk Magnetic Anomaly from the viewpoint of engineering geology. Mat. po geol. i pol. iskop. tsentr. reion. evrop. chasti SSSR no.2:168-172 '59. (MIRA 13:9)

1. Laboratoriya gidrogeologicheskikh problem AN SSSR.
(Kursk Magnetic Anomaly--Engineering geology)

PUSHEK, B.S., kand. geogr. nauk; POPOV, I.V., kand. geogr. nauk; OBRAZTSOV, I.N., inzh.; FEDOROV, N.N., kand. tekhn. nauk; GRUSHEVSKIY, M.S., kand. tekhn. nauk; KRIVOSHEY, B.Z., inzh.; POPOV, O.V., star. nauchnyy sotr.; PIKUSH, N.V., kand. tekhn. nauk; LEVIN, A.G., kand. tekhn. nauk; ZHIDIKOV, A.P., inzh.; GAVRILOV, A.M., kand. geogr. nauk; KONDRAT'YEV, N.Ye., kand. tekhn. nauk, red.; URYVAYEV, V.A., kand. tekhn. nauk, red.; SHATILINA, M.K., red.; SOLOVEYCHIK, A.A., tekhn. red.

[Investigation of unsteady flow of water in the Tvertsa and Oredezha Rivers] Issledovaniia neustanovivshegosia dvizheniia vody na rekakh Tvertse i Oredezh. Pod red. N.E.Kondrat'eva i V.A.Uryvaeva. Leningrad, Gidrometeor. izd-vo, 1961. 287 p. 6 charts (in pocket) (MIRA 14:8)

1. Leningrad. Gosudarstvennyy gidrologicheskiy institut.
(Tvertsa River--Hydrology) (Oredezha River--Hydrology)

ROMANOV, Vladimir Vasil'yevich; POPOV, I.V., otv. red.; SHATILINA,
M.K., red.; BRAYNINA, M.I., tekhn. red.

[Hydrophysics of swamps] Gidrofizika bolet. Leningrad, Gidro-
meteor. izd-vo, 1961. 356 p. (MIRA 14:9)
(Swamps)

ZOLOTAREV, G.S., red.; SOKOLOV, D.S., red.; CHAPOVSKIY, Ye.G., red.; GARMANOV, I.V., retsenzent; PRIKLONSKIY, V.A., retsenzent [deceased]; POPOV, I.V., retsenzent; RODIONOV, N.V., retsenzent; TITOV, N.A., nauchnyy red.; FILIPPOVA, B.S., red.; BINDEMAN, N.N., red.; LYKOSHIN, A.G., red.; YERMAKOV, M.S., tekhn. red.

[Results achieved and methods used in studying hydrogeological and engineering geological conditions of large reservoirs] Opyt i metodika izucheniia gidrogeologicheskikh i inzhenerno-geologicheskikh usloviy krupnykh vodokhranilishch. Pod red. G.S.Zolotareva, D.S. Sokolova i E.G.Chapovskogo. Moskva, Izd-vo Mosk. univ. Pts.2 and 3. 1961. 360 p. diagrs, maps. (MIRA 14:8)
(Reservoirs) (Engineering geology)

VAGIN, Nikolay Frolovich; KARMINSKIY, Mark Samar'yevich; POPOV, I.V.,
otv.red.; LIVSHITS, B.Ye., red.; VOLKOV, N.V., tekhn.red.

[The Danube River] Reka Dunai. Leningrad, Gidrometeor.izd-vo,
1960. 98 p. (MIRA 14:4)
(Danube Valley)

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[Conditions in the area of the Kursk Magnetic Anomaly from the point of view of engineering geology and hydrogeology; data on the development of deposits using the open-pit mining method]
Inzhenerno-geologicheskie i gidrogeologicheskiy usloviia raiona kurskoi magnitnoi anomalii. Moskva, Izd-vo Akad. nauk SSSR, 1960, 165 p. (Akademiia nauk SSSR. Laboratoriia gidrogeologicheskikh problem. Trudy, no.28)
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kand.geogr.nauk; GRUSHEVSKIY, M.S., kand.tekhn.nauk; VELIKANOV,
M.A., prof., doktor tekhn.nauk, red. (Moskva); URYVAYEV, V.A., otv.
red.; ALEKIN, O.A., red.; BLIZNYAK, Ye.V., red. [deceased];
BORSUK, O.N., red.; DAVYDOV, L.K., red.; DOMANITSKIY, A.P., red.;
KALININ, G.P., red.; KRITSKIY, S.N., red.; KUDELIN, B.I., red.;
MANOIM, L.F., red.; MENKEL', M.P., red.; ORLOV, B.P., red.;
PROSKURIYAKOV, A.K., red.; SOKOLOVSKIY, D.L., red.; SPENGLER, O.A.,
red.; CHEBOTAREV, A.I., red.; CHERKOVSKIY, S.K., red.; SHATILINA,
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ruslovykh protsessov. 1960. 421 p.

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ANOKHIN, S.D.; NESTEROV, V.F.; FROLOV, V.A.; GRYAZNOV, V.A., red.;
USTIYANTS, V.A.; KAPRALOVA, A.A., tekhn.red.

[Modernizing punched card calculating machines] Opyt modernizatsii
schetno-perforatsionnykh mashin. Moskva, Gos. stat. izd-vo, 1957.
75 p. (MIRA 11:4)

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(Punched card systems)
(Calculating machines)

POPOV, J.A.

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lek., Praha 31 no. 7:160-163 5 Apr 1951. (LML 22:3)

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ical Sciences, USSR.

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[Without manual labor] Bez zatrat ruchnogo truda. Belgorod,
Belgorodskoe knizhnoe izd-vo, 1960. 9 p. (MIRA 14:1)

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Increase in the efficiency of tractor-mounted plows. Mekh. 1
elek. sots. sel'khoz. 20 no.1:4-7 '62. (MIRA 15:2)

1. Azovo-Chernomorskiy institut mekhanizatsii sel'skogo khozyaystva.
(Plows)

GUSEV, Leonid Mikhaylovich, polkovnik; SHRAMOV, Nikolay Nikitich,
polkovnik; POPOV, I.Ye., polkovnik zapasa, red.; SOKOLOVA, G.F.,
tekhn. red.

[Firing from a tank; a manual for the crew] Strel'ba iz tanka;
posobie dlia ekipazha. Moskva, Voen.izd-vo M-va oborony SSSR,
1961. 109 p. (MIRA 15:2)
(Shooting, Military) (Tanks (Military science))

BASOV, N. G.; KROKHIN, O. N.; POPOV, J. M. [Popov, Yu. M.]

Negative absorption coefficient at indirect transitions in semiconductors. Acta phys Hung 14 no.2 3:231-240 '62.

I. P. N. Lebedev Physical Institute of the Academy of Sciences USSR, Moscow, USSR. Presented by G. Szigeti [Gyorgy Szigeti]

Popov

Bulgaria/Physiology of Plants. Respiration and Metabolism I-1

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 5619

Author : Popov, Karabashev, Karabasheva

Inst : Institute of Biology, Bulgarian Academy of Sciences

Title : Modification of the Fermentation Activity of
Seeds when Sounded with Ultrasound

Orig Pub : Izv. In-ta biol. Bulg. Academy of Sciences,
1956, 7, 129-140

Abstract : Seeds of alfalfa, rice, wheat and barley, tobacco
and other plants were subjected to the action of
ultrasounds for a period of 1 to 30 minutes.
Three to five days later in the germinating seeds
determination was made of the activity of amylase
(autolytic method), catalase (titrometric method
with 0.1 n KMnO_4), and peroxidase (Boyarkin me-
thod with the use of the Pul'frikh photometer).

Card 1/2

...mentation activity (up to 150% in alfalfa)
and growth processes. Under the influence of a
powerful ultrasound the optimum of the dura-
tion of the sounding is lower.

Card 2/2

POPOV, K.

Miner's Day and the forthcoming tasks of mining and metallurgic industries. Min delo 17 no.9:1-4 S '62.

1. Zam-predsedatel na Komiteta po promishlenostta.

KATSAROV, P., inzh; DIAKOV, Iv., inzh.; BRIZHITSKI, N., inzh.; POPOV, K., inzh.

Main trends in the development of Bulgarian electric
power system. Elektroenergiia 14 no.8:4-10 Ag '63.

FOPCV, K.

The road passed by Bulgarian electification. p. 1.

Spravochnik po tsvetni metali i splavi. Sofia, Bulgaria. Vol. 10,
no. 8/9, Aug./ Sept. 1959.

Monthly List of East European Accessions (FEAI), C, Vol. 9, No. 2.
February, 1960. Uncl.

5(4)

05803
SOV/76-33-10-1/45

AUTHOR: Popov, Kirill (Sofia, Bulgaria)

TITLE: Oxidation of Propane-Oxygen Mixtures at Constant Temperature and Pressure From Aspects of Thermodynamics

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 10, pp 2121-2127 (USSR)

ABSTRACT: In his work (Ref 1) Academician N. N. Semenov mentions the experimental results obtained by N. Ya. Chernyak and V. N. Shtern (Ref 2) on the course of reaction of a propane-oxygen mixture at 350 C and a pressure of about 282 mm Hg. Table 22 (Ref 1) contains the composition of the mixture for various stages of the reaction. Semenov indicates that energetic problems are neglected in the analysis of the results. Since the thermal effect is apparently the most effective factor determining the direction and rate of the reaction, it should not be ignored. The author investigated the dynamics of oxidation of propane by oxygen on the basis of the theory of irreversible processes which has been developed by the author in various publications (Refs 3 and 4). This investigation is based on the fact that the state of thermodynamic equilibrium in the closed isothermal-isobaric system is determined by the

Card 1/2

PCPOV, K.

"Grinding of enamels and the quality of enameled articles.

p. 18 (Leka Promishlenost, Vol. 6, no. 12, 1957, Sofia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

POPOV, K.

" Using boracite for producing prime enamel."

p. 17 (Leka Promishlenost, Vol. 6, no. 5, 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, no. 6, June 1958.

AUTHOR : Popov, A.
 CATEGORY :
 ORIG. SOURCE : Prumishlenost, 7, No 9, 18-21 (1960)
 ANAL. FOR : Popov, A.
 INFO. : Not given
 TITLE : The More Important Types of Scrapage in Enamel Practice and Methods for their Elimination
 ORIG. PUB. : Lena Prumishlenost, 7, No 9, 18-21 (1960)
 ABSTRACT : The author analyzes the causes for flaking, the formation of cracks, bubbles, pores, 'fish scales', 'copperheads' [sic], as well as of other less dangerous defects in enamel (E) coatings. To eliminate flaking of the E free cast iron ware, the author recommends an increase in the content of CO_2O in the case coat to 0.5% (in order to improve adhesion to the metal) or the addition to the E of 1% Na_2CO_3 during grinding (to increase the coefficient of expansion) or Na_2SiO_3 .

CARD: 1/2

114

POPOV, K.

"Old Bulgarian bridge architecture."

STROITELSTVO, Sofia, Bulgaria, Vol. 6, no. 6, 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, ^{Sept}~~June~~ 59,
Unclas

POPOV, K.

"Production of antimony and zirconium enamel power in Bulgaria"

LEKA PROMISHLENOST, Sofia, Bulgaria, Vol 8, No. 4, 1959

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Vol. 8, No. 8, August, 1959.

Unclassified

POPOV, K.

TECHNOLOGY

Periodical: LEKA PROMISHLENOST. Vol. 7, no. 9, 1958.

POPOV, K.; More significant defects in enamel production and ways of removing them. p. 18.

Monthly List of East European Accession (EEAI), LC., Vol. 8, no. 2,
February 1959, Unclass.

BULGARIA/Chemical Technology. Chemical Products and Their Appli- H-13
cation. Ceramics. Glass. Binding Materials. Concrete

Abs Jour : Ref Zhur - Khimiya, 1958, No22, 74748

Author : Popov K.

Inst : Not Given

Title : Particle Size of Enamels as a Function of Quality of
Enamelled Products

Orig Pub : Loka promishlenost, 1957, 6, No 12, 18-20

Abstract : General information regarding particle size of powdered
enamels are presented, operation of ball mills is briefly des-
cribed, and formulas for the determination of rotation speed
are given. The importance of complying with the specific
grinding conditions that yield the desired quality of finished
products is emphasized.

Cerd : 1/1

POPOV, K.

Ground enamel coat for sanitary articles. p. 19
Leka Promishlenost Vol. 7, No. 4, 1958. Sofia Bulgaria.

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Oct. 58

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Conference in Moscow on the modern methods of studying silicates and construction material. p. 27. Leka Promishlennost Vol. 7, No. 5, 1956. Sofia, Bulgaria.

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,
Oct. 58

POPOV, K.

Dressing of Carded Wool Fabrics made of Merino Wool. Leka Promishlenost
(Light Industry), #3:6: Mar 55

POPOV, KONSTANTIN

Tasks of Our New Electrical Industry. Elektroenergiya (Electric Power),
#9:1:Sep 55

POPOV, Konstantin, inzh.

The work of the Eleventh Session of the Permanent Commission of
Electric Power at the Council for Economic Mutual Assistance.
Elektroenergiia 12 no.10:1-2 '61.

1. Zamestnik predsedatel na Komiteta po promishlenostta.

(Electric Power)
(Council for Economic Mutual Assistance)

POPOV, K.

"Infra-red photography" S.M. Solov'ev. Reviewed by K. Popov.

Sov. foto 18 no.4:73-74 Ap '58.

(MIRA 11:6)

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POPOV, K.

Twelfth Session of the Committee on Electric Power at the Economic Commission
for Europe of the United Nations. p. 45.

ELEKTROENERGIJA, Sofiya, Vol. 6, no. 3/4, Mar./Apr. 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

POPOV, K.

Tasks and organization of the Scientific Research Institute for Electrification
and the Electric Industry of the Ministry of Electrification. p. 20.
ELEKTROENERGIJA, Sofiya, Vol. 6, no. 1, Jan. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

POPOV, K.

Kabadov, A. Computing the short circuit of currents in electric systems. p. 5.
ELEKTROENERGIJA, Sofiya, Vol. 6, no. 5, May 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

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"The Course in Anatomy is Honored." p. 1,
(ZDRAVEN FRONT, No. 48, Nov. 1954, Sofia, Bulgaria)

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 4
No. 5, May 1955, Uncl.

POPOV, K.

"The Party Faces Problems." p. 4,
(ZDRAVEN FRONT, No. 50, Dec. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

FROM, H.

"Sanhalin and Kurile Islands." Published by the "Army and Navy",
Moscow, 1945.

Горюв, А.

"Stalin Hydroelectric Plant. Vol. 5, no. 5/6, May/June 1954 p. 3 Elektroenergiia, Sofiya

SO: Eastern European Accessions List, Vol 3, no. 11, Nov. 1954, L.C.

POPOV, K.

Partial nephrectomy in nonspecific diseases of the kidneys.
Acta chir. iugosl. 1 no.4:354-362 1954.

1. Hirursko odeljenje Opste bolnice u Kragujevcu (Sef dr. Sreten
Krsic)

(KIDNEYS, surg.

nephrectomy, partial, indic. & technic)

MATEEV, V.; RACHEVA, B.; POPOV, K.

Case of mediastinal lymphosarcoma in a child diagnoses as pulmonary echinococcosis. Suvrem. med., Sofia 5 no.7:118-121 1954.

1. Iz Purva gradska detska bol'nits, Sofia, glaven lekar: . .
B.Buiuklieva.

(LUNGS, diseases,

echinococcosis, differ. diag. from mediastinal /,
lymphosarcoma in child)

(ECHINOCOCCOSIS,

lungs, differ. diag. from mediastinal lymphosarcoma
in child)

(LYMPHOSARCOMA,

mediastinum, differ. diag. from pulm. echinococcosis
in child)

(MEDIASTINUM, neoplasms,

lymphosarcoma, differ. diag. from pulm. echinococcosis
in child)

POPOV, K.

"The ascarid in humans and the fight against it" (p.7) PRIRODA I ZEMLE
(Bulgarsko prirodoinstitutelno druzhestvo) Sofiya Vol 7 No 1 Jan 1954

SO: East European Accessions List Vol 2 No 7 Aug 1954

POPOV, K.

"The ascarid in humans and the fight against it" (p. 7) PRIRODA I ZMANJE
(Bulgarsko prirodizpitatelno druzhestvo) Sofiya Vol 7 No 1 Jan 1954

S0: East European Accessions List Vol 2 No 7 Aug 1954

POPOV, K., DIMOV, G.

"The Significance and Problems of Conferences in Clinical Anatomy. p. 28"
(ZDRAVNO DELO) Vol. 6, No. 6, December 1952, Sofiya, Bulgaria.

SO: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

POPOV, K.

Gidrotekhnicheskie Sooruzhenia (Hydro-Technical Construction)

494 p. 3.00

SO: Four Continent Book List, April 1954

ZAICHIKOV, V.T. [author]; MURZAEV, E.; POPOV, K. [reviewers].

"Korea". Vop.geog. vol.29:251-257 '52.

(FLBA 6:7)

(Zaichikov, V.T.) (Korea)

CIA-RDP86-00513R0013423

13C

13-4-7

Manufacturing agent for magnesium, K. Ferry
(Mach. Div. 2000-41, 200-41) -
checked and found all oil in a current of
dry air (10,000) at 1000 for 10 in. in a better condition
than Pennsylvanian oil. On. Am. (p)

ASS-11A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																										COMMON ELEMENTS																									
CR AN emulsifying agent for margarine. K. Popov. <i>Meslobotne Zhivovoe Dolo</i> 11, 250-1 (1935).—Refined and deodorized sunflower oil oxidized with a current of dry air (H_2O_2) at 250° for 10 hrs. showed better emulsifying properties than Pongard oil. When 0.4% of this oil was added to the emulsified milk. In the manuf. of margarine, the product after standing 54 hrs. retained the good taste and odor and high moisture content (14.6%). Chas. Blanc																										12																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																										COMMON ELEMENTS																									
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									

18

CH

Preparation of cements for tooth. K. Puryy. Kram. i Stalo, 6 (6), 200-0 (1980). Prep. of dental cements in U. S. S. R. is described. Two kinds of cements are made: "phosphate" cement (the main ingredient is Zn) and the "silicate" cement (a kind of opal glass). The liquid for these cements is prepd. from H_2PO_4 and salts of Zn and Al. Tests with Russian cements showed that they are as good as those prepd. abroad and much cheaper. M. V. KONDOROV

ASO-SLA METALLURGICAL LITERATURE CLASSIFICATION

Water-miscible emulsions of paints and lacquers. K. Popov. *Maisholno Zkuvno Delo* 13, No. 5, 28-30 (1939).--Preliminary expts. in the prepn. and testing of oil-in-water paint pastes are discussed. The pastes were prepd. from dehydrated castor oil (acid no. 22, I no. 81.7, viscosity 10.2) and sardine oil boiled with 10% Mn-Ca drier to acid no. 13.7, I no. 92.0 and viscosity 1.2 (ball viscometer). The best product was obtained with oil 33.41, lithopone 39.81, dry casein 3.31, phenol 0.06 and 1.5% NH_4OH 23.41%. The pastes, when dild. with water, can be brushed but not sprayed on wood or metal surface. The coating dries in 48 hrs. In the hardness, elasticity and resistance to water the resulting films are inferior to those formed by common oil paints.

Chas. H. Hine

ASH 15.4 METALLURGICAL LITERATURE CLASSIFICATION

POPOV, K., inzh.

Twenty years of progress in electric power engineering in Bulgaria.
Elektroenergiia 15 no. 7/8:2-9 Jl-Ag '64.

1. Chairman, Committee for Electric Power Engineering and Fuel.

POPOV, Konstantij, inzh.

Tasks of the Power and Fuel Committee in 1963. Elektroenergiia
14 no.1:1-2 Ja '63.

1. Predsedatel na Komiteta po energetikata i gorivata.